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SO(N) restricted Schur polynomials

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Abstract content
   (Max 300 words)
Formatting &
Special chars

Restricted Schur polynomials constitute a basis for the 1/4-BPS sector of N = 4 super Yang-Mills theory with a U(N) gauge group. Using the AdS/CFT correspondence, these operators are interpreted as certain D-brane states in the dual gravity theory in the large N limit. It is interesting to study whether or not restricted Schurs constitute a basis for the 1/4-BPS sector of the theory with SO(N) gauge group. I present evidence that the counting of restricted Schurs matches the number of 1/4-BPS states for SO(N). I further discuss the possibility of the SO(N) restricted Schurs being orthogonal.

Apply to be
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Level for award
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PhD

Main supervisor (name and email)
and his / her institution

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No

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